

Peter Harrowell

List of Publications by Year in descending order

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152
papers

5,795
citations

116194

36
h-index

87275

74
g-index

158
all docs

158
docs citations

158
times ranked

4047
citing authors

#	ARTICLE	IF	CITATIONS
1	The structural difference between strong and fragile liquids. <i>Journal of Non-Crystalline Solids: X</i> , 2022, 13, 100080.	0.5	4
2	Local symmetry predictors of mechanical stability in glasses. <i>Science Advances</i> , 2022, 8, eabn0681.	4.7	9
3	Influence on crystal nucleation of an order-disorder transition among the subcritical clusters. <i>Physical Review E</i> , 2022, 105, .	0.8	1
4	A general structural order parameter for the amorphous solidification of a supercooled liquid. <i>Journal of Chemical Physics</i> , 2022, 157, .	1.2	4
5	How a supercooled liquid borrows structure from the crystal. <i>Journal of Chemical Physics</i> , 2021, 154, 054503.	1.2	6
6	How real are liquid groundstates? Ultra-fast crystal growth and the susceptibility of energy minima in liquids. <i>Journal of Chemical Physics</i> , 2021, 154, 154503.	1.2	0
7	Translational-rotational coupling during the scattering of a frictional sphere from a flat surface. <i>Journal of Chemical Physics</i> , 2021, 155, 054303.	1.2	1
8	Deposition control of model glasses with surface-mediated orientational order. <i>Journal of Chemical Physics</i> , 2021, 155, 124502.	1.2	1
9	Crystal growth rates and liquid dynamics at the crossover between stable crystal phases. <i>Journal of Chemical Physics</i> , 2020, 152, 164505.	1.2	1
10	The displacement field associated with the freezing of a melt and its role in determining crystal growth kinetics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 3421-3426.	3.3	11
11	Orientationally ordered glasses via controlled deposition. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 21341-21342.	3.3	4
12	Assessing the utility of structure in amorphous materials. <i>Journal of Chemical Physics</i> , 2019, 150, 114502.	1.2	34
13	Formation of Ultrastable Glasses via Precipitation: A Modeling Study. <i>Physical Review Letters</i> , 2019, 122, 088003.	2.9	3
14	Role of interfacial inherent structures in the fast crystal growth from molten salts and metals. <i>Physical Review Materials</i> , 2019, 3, .	0.9	12
15	Chemical ordering and crystal nucleation at the liquid surface: A comparison of Cu ₅₀ Zr ₅₀ and Ni ₅₀ Al ₅₀ alloys. <i>Journal of Chemical Physics</i> , 2018, 148, 044509.	1.2	6
16	Kinetics of Dissolution of an Amorphous Solid. <i>Journal of Physical Chemistry B</i> , 2018, 122, 2425-2433.	1.2	17
17	The mechanism of the ultrafast crystal growth of pure metals from their melts. <i>Nature Materials</i> , 2018, 17, 881-886.	13.3	67
18	Composition susceptibility and the role of one, two, and three-body interactions in glass forming alloys: Cu ₅₀ Zr ₅₀ vs Ni ₅₀ Al ₅₀ . <i>Journal of Chemical Physics</i> , 2018, 148, 224502.	1.2	1

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19	The stabilization of tubular crystals in mixtures of spherical particles. <i>Soft Matter</i> , 2017, 13, 1344-1351.	1.2	5
20	Suppression of crystalline fluctuations by competing structures in a supercooled liquid. <i>Physical Review E</i> , 2017, 96, 042602.	0.8	16
21	Structural Origin of Enhanced Dynamics at the Surface of a Glassy Alloy. <i>Physical Review Letters</i> , 2017, 119, 245501.	2.9	14
22	Density and glass forming ability in amorphous atomic alloys: The role of the particle softness. <i>Journal of Chemical Physics</i> , 2016, 144, 144502.	1.2	4
23	The free energy of a liquid when viewed as a population of overlapping clusters. <i>Molecular Simulation</i> , 2016, 42, 1149-1156.	0.9	2
24	Long range stress correlations in the inherent structures of liquids at rest. <i>Journal of Chemical Physics</i> , 2016, 144, 124508.	1.2	29
25	From liquid structure to configurational entropy: introducing structural covariance. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2016, 2016, 084002.	0.9	7
26	Nonaffine displacements and the nonlinear response of a strained amorphous solid. <i>Physical Review E</i> , 2016, 94, 022606.	0.8	9
27	Shear melting at the crystal-liquid interface: Erosion and the asymmetric suppression of interface fluctuations. <i>Physical Review E</i> , 2016, 93, 042608.	0.8	4
28	Rigidity in Condensed Matter and Its Origin in Configurational Constraint. <i>Physical Review Letters</i> , 2016, 116, 137801.	2.9	23
29	The geometric mean squared displacement and the Stokes-Einstein scaling in a supercooled liquid. <i>Journal of Chemical Physics</i> , 2015, 143, 244502.	1.2	1
30	Packing concave molecules in crystals and amorphous solids: on the connection between shape and local structure. <i>Molecular Physics</i> , 2015, 113, 2755-2769.	0.8	5
31	Favoured local structures in liquids and solids: a 3D lattice model. <i>Soft Matter</i> , 2015, 11, 3322-3331.	1.2	10
32	Multiple Ordering Transitions in a Liquid Stabilized by Low Symmetry Structures. <i>Physical Review Letters</i> , 2014, 112, 017801.	2.9	6
33	Defect-mediated relaxation in the random tiling phase of a binary mixture: Birth, death and mobility of an atomic zipper. <i>Journal of Chemical Physics</i> , 2014, 140, 104503.	1.2	3
34	Anomalously slow crystal growth of the glass-forming alloy CuZr. <i>Nature Materials</i> , 2013, 12, 507-511.	13.3	188
35	Influence of liquid structure on the thermodynamics of freezing. <i>Physical Review E</i> , 2013, 87, 052313.	0.8	5
36	Can a stable glass be superheated? Modelling the kinetic stability of coated glassy films. <i>Journal of Chemical Physics</i> , 2013, 138, 12A516.	1.2	13

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37	Molecular shape and the energetics of chemisorption: From simple to complex energy landscapes. <i>Physical Review E</i> , 2012, 86, 011606.	0.8	0
38	Predicting the solid state phase diagram for glass-forming alloys of copper and zirconium. <i>Journal of Physics Condensed Matter</i> , 2012, 24, 245102.	0.7	17
39	Perspective: Supercooled liquids and glasses. <i>Journal of Chemical Physics</i> , 2012, 137, 080901.	1.2	427
40	Geometry and the entropic cost of locally favoured structures in a liquid. <i>Journal of Chemical Physics</i> , 2012, 136, 134504.	1.2	9
41	Structurally determined directionality identifies the boundary between mobile and immobile domains in a disordered material. <i>Journal of Chemical Physics</i> , 2012, 136, 054507.	1.2	1
42	The origin of persistent shear stress in supercooled liquids. <i>Journal of Chemical Physics</i> , 2012, 137, 014506.	1.2	30
43	Molecular Engineering of the Glass Transition: Glass-Forming Ability across a Homologous Series of Cyclic Stilbenes. <i>Journal of Physical Chemistry B</i> , 2011, 115, 4696-4702.	1.2	38
44	Controlling Adsorbate Diffusion on a High-Symmetry Surface through Molecular Shape Selection. <i>Journal of Physical Chemistry C</i> , 2011, 115, 9526-9534.	1.5	4
45	Factors Contributing to the Glass-Forming Ability of a Simulated Molecular Liquid. <i>Journal of Physical Chemistry B</i> , 2011, 115, 14205-14209.	1.2	10
46	Fast and Slow Components in the Crystallization of a Model Multicomponent System, NaKCa(NO ₃): The Role of Composition Fluctuations. <i>Journal of Physical Chemistry A</i> , 2011, 115, 6260-6268.	1.1	7
47	Structural searches using isopointal sets as generators: densest packings for binary hard sphere mixtures. <i>Journal of Physics Condensed Matter</i> , 2011, 23, 194103.	0.7	13
48	The variety of ordering transitions in liquids characterized by a locally favoured structure. <i>Europhysics Letters</i> , 2011, 96, 36005.	0.7	15
49	Structural phases in non-additive soft-disk mixtures: Glasses, substitutional order, and random tilings. <i>Journal of Chemical Physics</i> , 2011, 135, 224515.	1.2	6
50	Length scales of dynamic heterogeneities in a network of fluctuating mechanical constraints. <i>Physical Review E</i> , 2011, 83, 011501.	0.8	3
51	The chemically ordered glass: the limiting composition for chemical order in amorphous packings of hard-sphere mixtures. <i>Molecular Simulation</i> , 2011, 37, 293-298.	0.9	0
52	Crystallization of the Lewis-Wahnström ortho-terphenyl model. <i>Journal of Chemical Physics</i> , 2011, 134, 114501.	1.2	12
53	The influence of overconstraint on the spatial distribution of mobility in an amorphous network. <i>Journal of Chemical Physics</i> , 2011, 135, 194505.	1.2	0
54	Spatiotemporal Hierarchy of Relaxation Events, Dynamical Heterogeneities, and Structural Reorganization in a Supercooled Liquid. <i>Physical Review Letters</i> , 2010, 105, 135702.	2.9	149

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55	On the existence of a structural instability in sub-critical crystalline fluctuations in a supercooled liquid. <i>Journal of Physics Condensed Matter</i> , 2010, 22, 364106.	0.7	6
56	Macroscopic facilitation of glassy relaxation kinetics: Ultrastable glass films with frontlike thermal response. <i>Journal of Chemical Physics</i> , 2010, 133, 244502.	1.2	82
57	Geometry of Slow Structural Fluctuations in a Supercooled Binary Alloy. <i>Physical Review Letters</i> , 2010, 104, 105701.	2.9	100
58	Unconstrained motions, dynamic heterogeneities, and relaxation in disordered solids. <i>Physical Review E</i> , 2009, 80, 041503.	0.8	8
59	Central role of thermal collective strain in the relaxation of structure in a supercooled liquid. <i>Physical Review E</i> , 2009, 80, 061501.	0.8	15
60	Rigidity percolation and the spatial heterogeneity of soft modes in disordered materials. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 15136-15141.	3.3	19
61	Localized soft modes and the supercooled liquid's irreversible passage through its configuration space. <i>Journal of Chemical Physics</i> , 2009, 131, 194508.	1.2	83
62	Noncrystalline compact packings of hard spheres of two sizes: Bipyramids and the geometry of common neighbors. <i>Journal of Chemical Physics</i> , 2009, 130, 114505.	1.2	6
63	Composition dependence of the solid state transitions in NaNO ₃ /KNO ₃ mixtures. <i>Thermochimica Acta</i> , 2009, 486, 27-31.	1.2	13
64	Spatial Dependence of Viscosity and Thermal Conductivity through a Planar Interface. <i>Journal of Physical Chemistry B</i> , 2009, 113, 2059-2065.	1.2	15
65	Irreversible reorganization in a supercooled liquid originates from localized soft modes. <i>Nature Physics</i> , 2008, 4, 711-715.	6.5	367
66	The Structure and Thermodynamic Stability of Reverse Micelles in Dry AOT-alkane Mixtures. <i>AIP Conference Proceedings</i> , 2008, , .	0.3	7
67	Dense amorphous packing of binary hard sphere mixtures with chemical order: The stability of a solute ordered approximant. <i>Journal of Non-Crystalline Solids</i> , 2008, 354, 3171-3178.	1.5	6
68	Dense Packings of Hard Spheres of Different Sizes Based on Filling Interstices in Uniform Three-Dimensional Tilings. <i>Journal of Physical Chemistry B</i> , 2008, 112, 8139-8143.	1.2	19
69	The Densest Packing of AB Binary Hard-Sphere Homogeneous Compounds across all Size Ratios. <i>Journal of Physical Chemistry B</i> , 2008, 112, 10773-10776.	1.2	54
70	Crystal growth kinetics exhibit a fragility-dependent decoupling from viscosity. <i>Journal of Chemical Physics</i> , 2008, 128, 034709.	1.2	272
71	Equilibrium calculations of viscosity and thermal conductivity across a solid-liquid interface using boundary fluctuations. <i>Journal of Chemical Physics</i> , 2008, 128, 194710.	1.2	11
72	A systematic enumeration of local topological relaxation mechanisms in amorphous networks and their efficiency in network relaxation. <i>Journal of Chemical Physics</i> , 2007, 126, 184502.	1.2	4

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73	On the study of collective dynamics in supercooled liquids through the statistics of the isoconfigurational ensemble. <i>Journal of Chemical Physics</i> , 2007, 126, 154503.	1.2	88
74	On the equilibrium calculation of the friction coefficient for liquid slip against a wall. <i>Journal of Chemical Physics</i> , 2007, 127, 174706.	1.2	58
75	Crystal Bridges, Tetratic Order, and Elusive Equilibria: The Role of Structure in Lubrication Films. <i>Journal of Physical Chemistry B</i> , 2007, 111, 11354-11365.	1.2	25
76	The structural origin of the complex rheology in thin dodecane films: Three routes to low friction. <i>Tribology International</i> , 2007, 40, 1574-1586.	3.0	34
77	Predicting the Long-Time Dynamic Heterogeneity in a Supercooled Liquid on the Basis of Short-Time Heterogeneities. <i>Physical Review Letters</i> , 2006, 96, 185701.	2.9	257
78	Low friction lubrication between amorphous walls: Unraveling the contributions of surface roughness and in-plane disorder. <i>Journal of Chemical Physics</i> , 2006, 125, 034703.	1.2	37
79	Free volume cannot explain the spatial heterogeneity of Debye-Waller factors in a glass-forming binary alloy. <i>Journal of Non-Crystalline Solids</i> , 2006, 352, 5098-5102.	1.5	64
80	Glass transitions in plane view. <i>Nature Physics</i> , 2006, 2, 157-158.	6.5	10
81	An equilibrium calculation of the thermal transport coefficients between two planes of arbitrary separation in a condensed phase. <i>Journal of Chemical Physics</i> , 2006, 124, 044512.	1.2	6
82	What Stabilizes the Intermediate Structure of an Amorphous Alloy?. <i>AIP Conference Proceedings</i> , 2006, , .	0.3	1
83	Crystal-melt coexistence under shear: Interpreting the nonlinear rheology. <i>Journal of Chemical Physics</i> , 2006, 125, 124502.	1.2	2
84	The boundary fluctuation theory of transport coefficients in the linear-response limit. <i>Journal of Chemical Physics</i> , 2006, 124, 014103.	1.2	24
85	Crystal Bridge Formation Marks the Transition to Rigidity in a Thin Lubrication Film. <i>Physical Review Letters</i> , 2006, 96, 206102.	2.9	38
86	Inversion of defect interactions due to ordering in $\text{Sr}_{1-x}\text{La}_x\text{TiO}_3$ perovskites: An atomistic simulation study. <i>Physical Review B</i> , 2006, 74, .	1.1	12
87	On the relationship between structure and dynamics in a supercooled liquid. <i>Journal of Physics Condensed Matter</i> , 2005, 17, S4025-S4034.	0.7	62
88	Linear response theory for thermal conductivity and viscosity in terms of boundary fluctuations. <i>Physical Review E</i> , 2005, 71, 061201.	0.8	28
89	Very Low Friction State of a Dodecane Film Confined between Mica Surfaces. <i>Physical Review Letters</i> , 2005, 94, 126103.	2.9	61
90	How reproducible is the structure of dynamic heterogeneity in glass forming liquids?. <i>AIP Conference Proceedings</i> , 2004, , .	0.3	0

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91	Polyhedral ground states in clusters of asymmetric hard sphere ions. <i>Journal of Chemical Physics</i> , 2004, 121, 7440-7442.	1.2	2
92	How Reproducible Are Dynamic Heterogeneities in a Supercooled Liquid?. <i>Physical Review Letters</i> , 2004, 93, 135701.	2.9	322
93	Ordered binary crystal phases of Lennard-Jones mixtures. <i>Journal of Chemical Physics</i> , 2004, 120, 9222-9232.	1.2	25
94	Folding behavior of model proteins with weak energetic frustration. <i>Journal of Chemical Physics</i> , 2004, 120, 11292-11303.	1.2	11
95	Crystallisation and Local Order in Glass-Forming Binary Mixtures. <i>AIP Conference Proceedings</i> , 2004, , .	0.3	1
96	Inorganic Nanotubes Stabilized by Ion Size Asymmetry: Energy Calculations for AgI Clusters. <i>Journal of Physical Chemistry B</i> , 2004, 108, 8412-8418.	1.2	22
97	Organization of Coordination Polyhedra in an Amorphous Binary Alloy. <i>Journal of Physical Chemistry B</i> , 2004, 108, 6850-6855.	1.2	12
98	Crystal phases of a glass-forming Lennard-Jones mixture. <i>Physical Review E</i> , 2003, 67, 011403.	0.8	51
99	Simulation of the coexistence of a shearing liquid and a strained crystal. <i>Journal of Chemical Physics</i> , 2003, 118, 4115-4126.	1.2	33
100	Structure and stability of the interface between a strained crystal and a shearing liquid. <i>Physical Review E</i> , 2003, 67, 051503.	0.8	11
101	193nm photosensitivity in silica and local laser-induced femtosecond heating and cooling. , 2003, , .		0
102	Thermodynamics of a soft disk glass: The role of configurational constraints. <i>Journal of Chemical Physics</i> , 2002, 116, 4232-4239.	1.2	1
103	Crystal Phases of Glass-Forming Mixtures. <i>Materials Research Society Symposia Proceedings</i> , 2002, 754, 1.	0.1	0
104	Elementary excitations and the specific heat peak in a supercooled mixture: simulation studies. <i>Journal of Non-Crystalline Solids</i> , 2002, 307-310, 436-441.	1.5	4
105	Factors determining crystal-liquid coexistence under shear. <i>Nature</i> , 2002, 415, 1008-1011.	13.7	64
106	Density functional theory of the kinetics of crystallization of a hard sphere suspension: Coupling structure to density. <i>Journal of Chemical Physics</i> , 2001, 114, 9059-9068.	1.2	7
107	Radiation-induced densification in amorphous silica: A computer simulation study. <i>Journal of Chemical Physics</i> , 2001, 115, 3336-3341.	1.2	46
108	Theoretical problems in the crystallization of hard sphere colloidal particles. <i>AIP Conference Proceedings</i> , 2000, , .	0.3	0

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109	Stalking the collective process: establishing a dialogue between simulation and speculation. <i>Journal of Physics Condensed Matter</i> , 2000, 12, 6305-6310.	0.7	6
110	Liquid crystal phase transitions in clusters of spherocylinders. <i>Journal of Chemical Physics</i> , 2000, 112, 465-470.	1.2	0
111	Amorphous ground states and collective dynamics in a 2D glass-forming mixture. <i>Journal of Physics Condensed Matter</i> , 2000, 12, A399-A402.	0.7	7
112	Fluctuations near the Onset of Rigidity in a 2D Supercooled Liquid. <i>Progress of Theoretical Physics Supplement</i> , 2000, 138, 199-204.	0.2	1
113	Monte Carlo simulations of smectic phase transitions in flexible "rigid" flexible molecules. <i>Journal of Chemical Physics</i> , 1999, 110, 12183-12192.	1.2	17
114	Relaxation dynamics and their spatial distribution in a two-dimensional glass-forming mixture. <i>Journal of Chemical Physics</i> , 1999, 111, 5441-5454.	1.2	104
115	Stability and structure of a supercooled liquid mixture in two dimensions. <i>Physical Review E</i> , 1999, 59, 5721-5743.	0.8	109
116	On the Microscopic Nature of Stick-Slip Behavior in Lubricating Films. <i>ACS Symposium Series</i> , 1999, , 104-126.	0.5	1
117	A two dimensional glass: microstructure and dynamics of a 2D binary mixture. <i>Journal of Non-Crystalline Solids</i> , 1998, 235-237, 314-319.	1.5	34
118	Solute-Enhanced Diffusion in a Dense Two-Dimensional Liquid. <i>Physical Review Letters</i> , 1998, 80, 4446-4449.	2.9	17
119	Origin of the Difference in the Temperature Dependences of Diffusion and Structural Relaxation in a Supercooled Liquid. <i>Physical Review Letters</i> , 1998, 81, 120-123.	2.9	70
120	Density-functional theory of the kinetics of crystallization of hard-sphere suspensions: Single conserved order parameter. <i>Physical Review E</i> , 1997, 56, 3265-3273.	0.8	10
121	Incomplete symmetry breaking and anomolous crystallization kinetics at close-packed crystal-liquid interfaces. <i>Physical Review E</i> , 1997, 56, 1910-1917.	0.8	4
122	Resolving the structural relaxation of a two-dimensional liquid using apertured cross correlation functions. <i>Journal of Chemical Physics</i> , 1997, 107, 8586-8593.	1.2	10
123	Measuring diffusion in supercooled liquids: The effect of kinetic inhomogeneities. <i>Journal of Chemical Physics</i> , 1996, 104, 2369-2375.	1.2	23
124	Local and global order in a simulated two-dimensional liquid under steady shear. <i>Physical Review E</i> , 1996, 54, 457-462.	0.8	4
125	Non-Gaussian behavior and the dynamical complexity of particle motion in a dense two-dimensional liquid. <i>Journal of Chemical Physics</i> , 1996, 105, 10521-10526.	1.2	89
126	Shear induced ordering in simulations of colloidal suspensions: Oscillatory shear and computational artefacts. <i>Journal of Chemical Physics</i> , 1996, 105, 605-613.	1.2	22

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127	Consequences of kinetic inhomogeneities in glasses. <i>Physical Review E</i> , 1996, 54, 1652-1662.	0.8	60
128	Kinetics of crystallization in a shearing colloidal suspension. <i>Physical Review E</i> , 1995, 52, 6424-6430.	0.8	51
129	The shear induced disordering transition in a colloidal crystal: Nonequilibrium Brownian dynamic simulations. <i>Journal of Chemical Physics</i> , 1995, 103, 4653-4671.	1.2	32
130	Monte Carlo simulations of a layering transition in hard parallelepipeds. <i>Journal of Chemical Physics</i> , 1995, 103, 6143-6150.	1.2	17
131	Kinetic structure of a two-dimensional liquid. <i>Physical Review E</i> , 1995, 52, 1694-1698.	0.8	264
132	The relaxation of structural fluctuations in a lattice model of a simple liquid. <i>Journal of Chemical Physics</i> , 1994, 101, 9894-9902.	1.2	7
133	Dynamic Monte Carlo simulations of freezing and melting at the 100 and 111 surfaces of the simple cubic phase in the face-centered cubic lattice gas. <i>Journal of Chemical Physics</i> , 1994, 100, 7630-7639.	1.2	14
134	Visualizing the collective motions responsible for the $\hat{\Gamma}_\pm$ and $\hat{\Gamma}^2$ relaxations in a model glass. <i>Physical Review E</i> , 1993, 48, 4359-4363.	0.8	55
135	Orientation dependent interface mobilities in a kinetic mean field theory of freezing and melting. <i>Journal of Chemical Physics</i> , 1993, 99, 3998-4010.	1.2	9
136	The spatial distribution of relaxation times in a model glass. <i>Journal of Chemical Physics</i> , 1993, 98, 5069-5073.	1.2	33
137	Rotational relaxation in a 2D crystal of soft-core diatomic molecules. <i>The Journal of Physical Chemistry</i> , 1992, 96, 4040-4046.	2.9	1
138	Selection of interfacial velocity in the presence of multiple relaxation rates. <i>Physical Review A</i> , 1992, 46, 5284-5287.	1.0	1
139	The effect of density change on crystal growth rates from the melt. <i>Journal of Chemical Physics</i> , 1992, 96, 3834-3843.	1.2	58
140	On the importance of kinetic inhomogeneities in understanding glassy dynamics. <i>AIP Conference Proceedings</i> , 1992, , .	0.3	0
141	The origin of glassy dynamics in the 2D facilitated kinetic Ising model. <i>Journal of Chemical Physics</i> , 1991, 95, 4454-4465.	1.2	93
142	Glassy relaxation at surfaces: The correlation length of cooperative motion in the facilitated kinetic Ising model. <i>Journal of Chemical Physics</i> , 1991, 95, 4466-4470.	1.2	46
143	Mechanical instability of colloidal crystals under shear flow. <i>Physical Review A</i> , 1990, 42, 3427-3431.	1.0	6
144	The shear melting of colloidal crystals: A long wavelength driven transition. <i>Journal of Chemical Physics</i> , 1987, 87, 4154-4161.	1.2	17

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145	On the interaction between order and a moving interface: Dynamical disordering and anisotropic growth rates. <i>Journal of Chemical Physics</i> , 1987, 86, 2932-2942.	1.2	96
146	Crystal structure analyses of reduced (CuI) poplar plastocyanin at six pH values. <i>Journal of Molecular Biology</i> , 1986, 192, 361-387.	2.0	404
147	Anisotropic surface free energy and the roughening transition of the diffuse crystal-liquid interface. <i>Physical Review B</i> , 1986, 33, 6293-6303.	1.1	10
148	Quantum theory of the full pressure dependence of collision induced intersystem crossing. <i>Journal of Chemical Physics</i> , 1985, 83, 6288-6300.	1.2	9
149	On the positivity of the density in molecular theories of freezing. <i>Journal of Chemical Physics</i> , 1985, 83, 6058-6059.	1.2	8
150	Interfacial properties and phase transitions of a system of anisotropic molecules. <i>Molecular Physics</i> , 1985, 54, 1325-1333.	0.8	18
151	A molecular theory of crystal nucleation from the melt. <i>Journal of Chemical Physics</i> , 1984, 80, 1639-1646.	1.2	150
152	A Van der Waals model of chiral mixtures using a chiral Lennard-Jones potential. Applications to the Pasteur Experiment and phenomena in chiral solvents. <i>Journal of the American Chemical Society</i> , 1983, 105, 723-730.	6.6	24